

INVERSE HALFTONING PROCESS

ABSTRACT

Performing inverse halftoning on a halftoned image

5 includes smoothing the halftoned image using a two-dimensional filter to produce a smoothed image, detecting edge areas in the smoothed image, performing lowpass filtering on non-edge areas of the smoothed image, and generating an enhanced image comprised of the edge areas of the smoothed image and lowpass-
10 filtered non-edge areas of the smoothed image.

20208152.doc